

**Monthly Progress Report #9**  
**March 2005**

**Falcon Refinery Superfund Site**  
**Ingleside**  
**San Patricio County, Texas**  
**TXD 086 278 058**

**Prepared for**

**National Oil and Recovery Corporation**  
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None this reporting period

## **1.0 INTRODUCTION**

This ninth Monthly Progress Report is submitted in accordance with the Falcon Refinery Site Administrative Orders on Consent for Removal Action and Remedial Investigation / Feasibility Study between the U.S. Environmental Protection Agency (U.S. EPA) and National Oil and Recovery Corporation (NORCO).

This Monthly Progress Report and subsequent reports will address activities associated with both of the orders.

The next monthly progress report covering April, 2005 will be submitted on or before May 10, 2005.

## **2.0 COMPLETED ACTIVITIES**

### **2.1 Removal Action Activities**

Since activities are now being performed on a daily basis, each day begins with a safety meeting about general hazards and specific concerns of each day's anticipated actions.

Approximately 565,000 gallons of liquid waste were removed and properly disposed during the month from Tanks 2, 7, 26 and 27. Due to the number of shipments (an average of nine each day) the manifests will not be included in these reports. The originals are available at the BNC office in Georgetown. A compilation of hazardous liquid waste disposal is included as Table 1.

During the months of February and March, 2005 the liquid level in Tanks 2 and 7 on the North Site were significantly drawn down. As the fluid level approached the bottoms of the above ground storage tanks, increased concentrations of solids were detected in the waste. A decision was made to allow the suspended solids to settle and disposal operations were shifted back to Tanks 26 and 27 on the South Site. Equipment necessary to remove the waste were transferred to the South Site.

Clearing and grubbing have been ongoing.

### **2.2 Remedial Investigation / Feasibility Study (RI/FS)**

The EPA provided comments to the 1) RI/FS Work Plan, 2) RI/FS Field Sampling Plan and the 3) RI/FS Quality Assurance/Quality Control Project Plan (QA/QCPP).

A meeting was held at the Region 6 offices of the EPA in Dallas on March 4th to discuss the workplan. The meeting was attended by EPA personnel, state and federal trustees and NORCO team members.

After the meeting NORCO personnel interviewed persons that live near the facility to determine the location of an oil filled sink hole that was noted in the project record. Based on the interviews and review of information in the project record it was determined that the release of oil that caused the sink hole was a pipeline that was not owned by NORCO or any predecessor at the Falcon Refinery. The EPA is investigating the current owner of the pipeline.

Additional TCEQ files in the Corpus Christi District Office were reviewed and copied.

Amendments to the RI/FS Work Plan, Quality Assurance Project Plan and Field Sampling Plan are being prepared. The amended reports will be provided to the EPA by May 5, 2005.

### **3.0 CHANGES MADE IN THE PLANS DURING THE REPORTING PERIOD**

None this reporting period.

### **4.0 COMMUNITY RELATIONS**

The project web site [www.falcon-refinery.com](http://www.falcon-refinery.com) is operational and available for review by the public. Included at the web site are links to all approved project documents, PowerPoint presentations, contact information, site photographs, monthly progress reports and notifications of future meetings when they are announced.

### **5.0 CHANGES IN PERSONNEL DURING THE REPORTING PERIOD**

No changes to personnel were made during the month.

### **6.0 LIST OF PROJECTED WORK FOR THE NEXT TWO MONTHS**

#### **6.1 Removal Action Work projected for the next two months includes:**

- Continuing the removal and disposal of liquids from the storage tanks and pipelines at the anticipated rate of approximately 500,000 gallons a month;
- Contracting a company to pig and evacuate the pipelines that leave the facility;
- Revising the Land Treatment Unit (LTU) proposal based on comments received from the EPA and TCEQ;
- Removal of debris;
- Continued site maintenance; and
- Demolition of some onsite structures.

**6.2 RI/FS Work projected for the next two months includes:**

- Conferring with the EPA and Trustees about the work plan;
- Making amendments to the RI/FS Work Plan and submitting the final RI/FS Work Plan; and
- Making amendments to and submitting the Field Sampling Plan and the Quality Assurance Project Plan.

**7.0 LABORATORY / MONITORING DATA**

None this reporting period.

## TABLES

**Table 1  
Hazardous Liquid Waste Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Texas Molecular Corpus Christi Services, LP	6901 Greenwood Dr Corpus Christi, TX	361-852-8284	TXR000001016	Robert Rodriguez

RQ, HAZARDOUS WASTE LIQUID N.O.S., 9 , UN3082, III (D007, D008, D018)

Month	Volume (gal)
October-04	53,832
November-04	734,763
December-04	879,158
January-05	783,881
February-05	551,444
March-05	565,489
<b>Total</b>	<b>3,568,567</b>

**Table 2  
Metal Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Commercial Metal Company	4614 Agnes St Corpus Christi, TX	361-884-4071	None	David

### RECYCLED METAL

Month	Volume (lbs)
October-04	0
November-04	16,820
December-04	19,640
January-05	31,380
February-05	0
<b>Total</b>	<b>67,840</b>

### FIRE EXTINGUISHERS

Month	Quantity
December-04	10
<b>Total</b>	<b>10</b>

Industrial Fire & Safety Co. removed 10 fire extinguishers from the job site.  
The powder was disposed of properly and the metal went to salvage.

**Table 3**  
**Contaminated Soil and Oily Debris Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
U.S. Ecology Texas L.P.	P.O. Box 307 Robstown, TX	361-387-3518	TXD069452340	Glenda Felkner

**PETROLEUM CONTAMINATED SOIL AND OILY DEBRIS**

Month	Volume (cy)
October-04	0
November-04	0
December-04	40
January-05	0
February-05	0
<b>Total</b>	<b>40</b>

**RQ, HAZARDOUS WASTE SOLID, N.O.S., LEAD, 9 NA3077, PGIII (OILY SLUDGE AND SOIL)**

Month	Volume (cy)
February-05	15
<b>Total</b>	<b>15</b>

**Table 4**  
**Oil and Filter Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Texas Molecular Corpus Christi Services, LP	6901 Greenwood Dr Corpus Christi, TX	361-852-8284	TXR000001016	Robert Rodriguez

**RECYLCED OIL AND FILTERS**

Month	Volume (gal)
January-05	403
February-05	0
<b>Total</b>	<b>403</b>

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Midstate Environmental Services, LLC	2203 Tower Road Robstown, TX	361-387-2171	TXR000051227	Lloyd Cooke

**RECYLCED OIL AND FILTERS**

Month	Volume (gal)
January-05	16,651
February-05	0
<b>Total</b>	<b>16,651</b>

**Table 5**  
**Visibly Contaminated Surface Soil**

Test Hole #	Tank 7 Visual Depth (in)	Tank 26 Visual Depth (in)	Tank 27 Visual Depth (in)
TH 1	4	4	2.5
TH 2	6	3	2.5
TH 3	3	3	8.5
TH 4	2	1.5	1
TH 5	5	4	7
TH 6	2	1	10
TH 7	3	4	3
TH 8	1	3	9
TH 9	2	1.5	5
TH 10	5.5	2	1.5
<b>AVG</b>	<b>3.35</b>	<b>2.7</b>	<b>5</b>

**Area of Visual Contamination**

	Tank 7	Tank 26	Tank 27
(ftxft)	100 x 190	186 x 183	100 x 190
(sq ft)	19,000	34,038	19,000
(acres)	0.44	0.78	0.44

**Volume of Visual Contamination**

	Tank 7	Tank 26	Tank 27	Total
(cu ft)	5,304	7,659	7,917	20,879
(cu yds)	196	284	293	773

**Landfarm Design**

Volume Required (cu yds)	Contaminated Soil Cell Depth (in)	Calculated Surface Area (sq ft)	Calculated Surface Area (acres)	Cell Dimension – Square (ft)
773	18	13,920	0.32	118
1,000	18	18,000	0.41	135